Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	06/14/2017 09:57 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	04/21/2017 12:22 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 25720, Expiration Date: 06/30/2017
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124831	-1	1.89	124707	1.92
Blue	F	SSC	125000	124033	-1	3.28	124465	3.14
Blue	E	FITC	23355	22569	-4	2.60	1007	10.37
Blue	D	PE	28848	28409	-2	2.06	1021	9.64
Blue	B	PerCP-Cy5-5	47791	46920	-2	3.42	1348	16.80
Blue	A	PE-Cy7	41358	41147	-1	5.13	636	35.29
Red	C	APC	51316	50459	-2	2.70	2908	9.35
Red	A	APC-Cy7	53225	52122	-3	2.84	1076	11.34
Violet	B	V450	14473	13906	-4	3.43	676	9.05
Violet	A	V500	59973	58616	-3	3.10	2609	6.27

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	19168	3.89	607	9	N/A	N/A	Pass
Blue	F	SSC	61508	1.88	541	7	N/A	N/A	Pass
Blue	E	FITC	114	39.65	542	-2	0.0206	206	Pass
Blue	D	PE	227	29.48	538	0	0.1792	324	Pass
Blue	B	PerCP-Cy5-5	211	44.76	626	-4	0.0103	101	Pass
Blue	A	PE-Cy7	70	117.49	679	-2	0.0120	15	Pass
Red	C	APC	341	27.23	590	-4	0.0208	63	Pass
Red	A	APC-Cy7	118	40.70	570	-6	0.0054	1553	Pass
Violet	B	V450	82	42.36	475	4	0.0404	1711	Pass
Violet	A	V500	190	22.96	506	5	0.0129	262	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.57	47.98 - 71.98	N/A	N/A	-32.04	-31.68	0.84
Blue	20.34	16.27 - 24.41	1.27	0.99 - 1.49	0.00	0.00	1.33
Red	18.89	13.27 - 19.91	N/A	N/A	31.67	32.12	1.16

Window Extension: 7.00
FSC Area Scaling Factor: 0.89

Threshold

Threshold (FSC): 10238

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments